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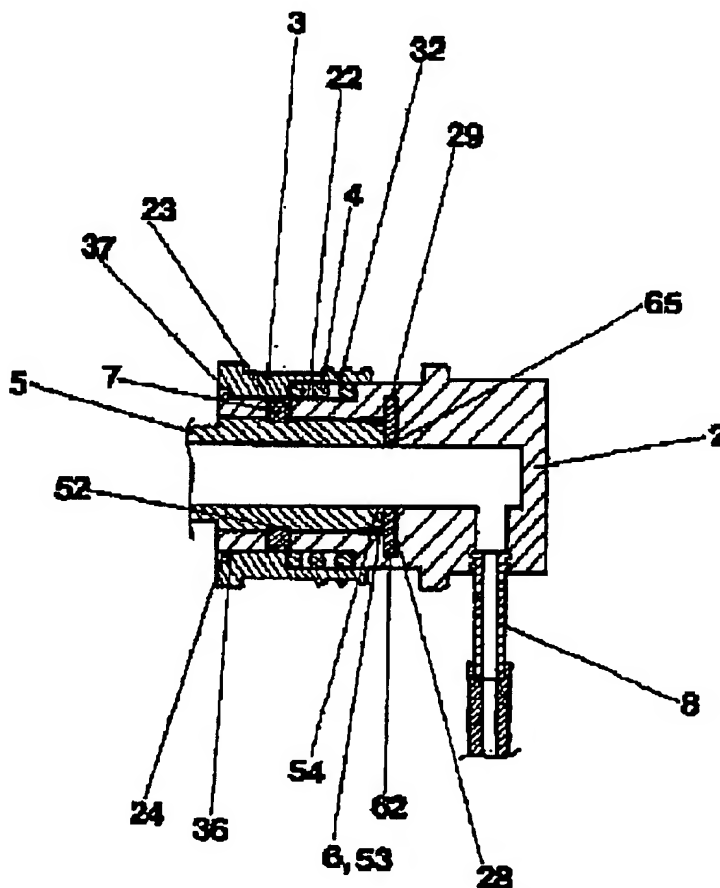
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**(54) COUPLER FOR CONNECTION OF DIALYZER**

**(57) Abstract:**

**PROBLEM TO BE SOLVED:** To prevent bacterial infection without impairing operability by making a sealing at a part where a plug tip for a dialysis liquid contacts the internal wall of a link tube to eliminate a dead space between the both.

**SOLUTION:** A coupler is constituted of a plug 8 linked to a hose for the perfusion of a dialysis liquid, a link tube 2 screwed down on the plug 8 orthogonal thereto and a sleeve 3 covering the external surface of the link tube 2. A plug 5 for the dialysis liquid is inserted into the link tube 2. Above parts are made of rust-free metal such as stainless steel. A part 6 where the plug 5 for the dialysis liquid closely contacts the link tube 2 is located at a contact part of the plug tip 53 for the dialysis liquid with a diameter-reduced cylindrical internal wall step part 28



internal wall step part 28  
extending in the direction of  
a base end part from near the  
center of a lumen of the link  
tube 2. A seal material 62  
mounted on the internal wall  
step part 28 seals liquid tight  
between the plug tip 53 for  
the dialysis liquid and the  
internal wall of the link tube  
2. This eliminates the dead  
space between the tip and the  
internal wall to hinder the  
retention of the dialysis  
liquid thereby preventing  
bacterial infection.

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to prevent contamination of  
the connected parts.

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